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MODIFICATION INSTRUCTIONS

for the

KODAK MINILOADER 1

Service Codes 3211, 3212

MODIFICATION No. M32

Type 2

PURPOSE:

On some MINILOADERS it is not possible to adjust the MAGAZINE SUCKER BAR to prevent FILMS being pulled back out of the CASSETTE by the SUCKERS as the SUCKER BAR returns from the CASSETTE.
This modification replaces the old SUCKER BAR with a bar of a new shape.
The new SUCKER BAR can be identified by a white spot on the mounting.

IMPORTANT:	Only qualified service personnel should install this modification!
SERIAL NUMBERS:	All
INSTALLATION TIME:	Approximately 1 hour.
SPECIAL TOOLS:	STEP BY STEP SWITCH Part no. 29035052 SPRING BALANCE 0 - 5 kg Part no. 29030707
PARTS REQUIREMENT:	See Parts list.

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PARTS LIST

PART NO.	DESCRIPTION	QUANTITY
30092032	MODIFICATION KIT	1
THE KIT CONTAINS:		
30012380	MAGAZINE SUCKER BAR	1
MA3211-32	MODIFICATION INSTRUCTIONS	1

CAUTION

This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

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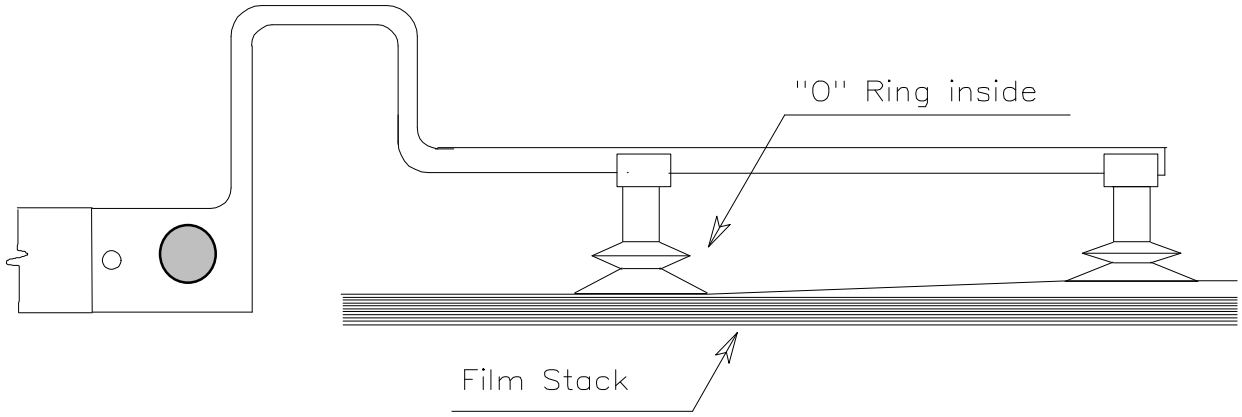
MODIFICATION INSTRUCTIONS

1. Remove the MINILOADER COVER and the non-drive SIDE PANEL. Remove the FILM MAGAZINE(S). Unload the SUPPLY MAGAZINE and place some TEST FILMS in it. Replace the SUPPLY MAGAZINE in the MINILOADER.

2. Remove the MAGAZINE SUCKER BAR from the MINILOADER, retain the SUCKERS and discard the old BAR. ***IMPORTANT - Do not touch the surface of the SUCKER with your hand, use a GLOVE or a CLEAN CLOTH to handle the SUCKERS.***

3. Fit the SUCKERS on the new SUCKER BAR ***IMPORTANT - Make sure the SUCKER with the "O" RING inside is fitted to the mounting end of the SUCKER BAR.***. This ensures correct separation of FILMS when the vacuum is applied to the SUCKERS. See Figure 1.

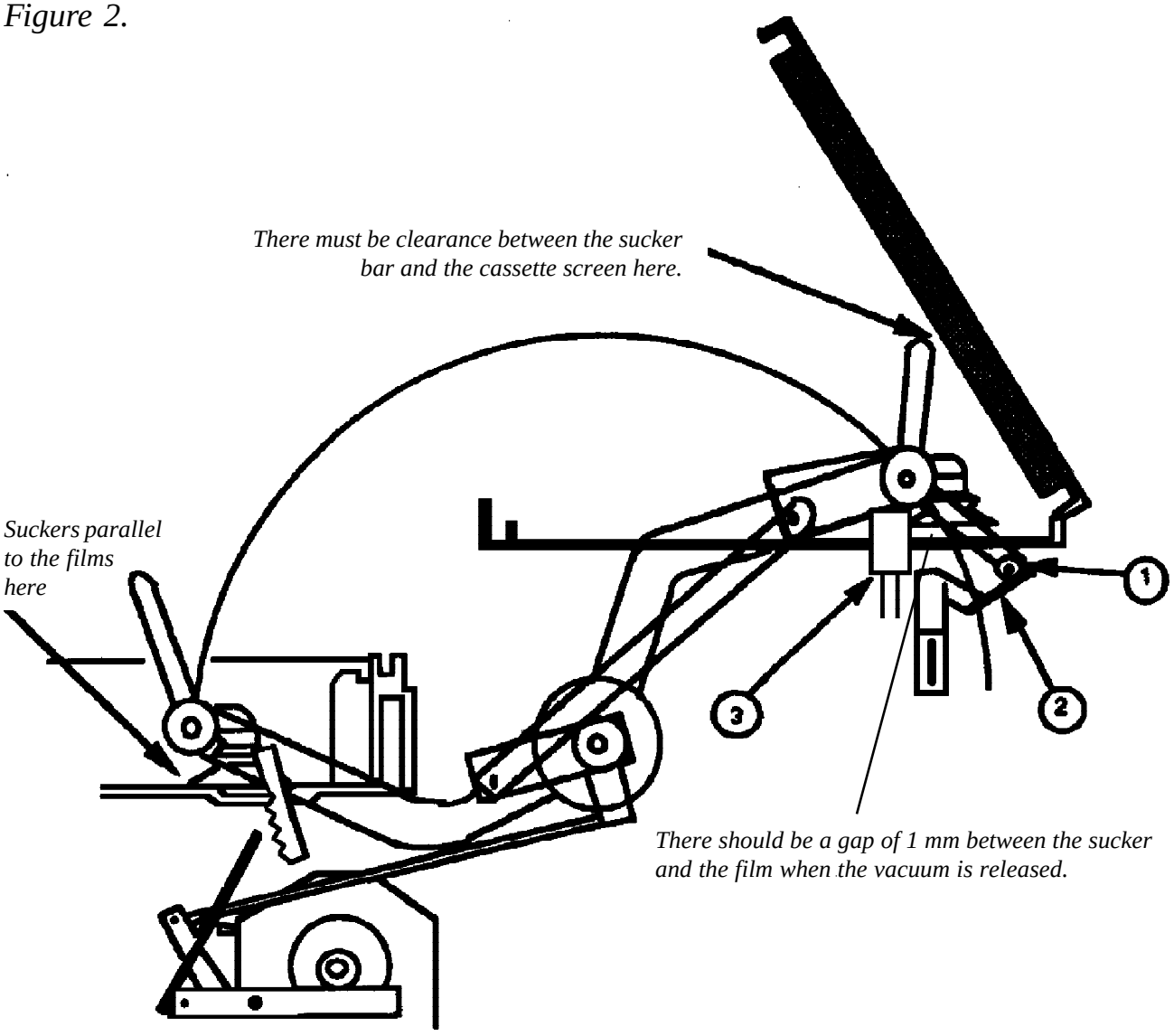
Figure 1.



4. Fit the new SUCKER BAR to the MINILOADER taking care not to damage the "O" RING SEAL inside the SUCKER BAR MOUNTING. Using the JOG SWITCH (on PCB 106) jog the machine until the MAGAZINE SUCKER BAR is just above the TEST FILM in the SUPPLY MAGAZINE. See Figure 2. Loosen the two GRUB SCREWS on the SUCKER BAR and adjust the angle of the BAR, so the SUCKERS are parallel with the FILM. If necessary alter the individual SUCKERS, so both SUCKERS are parallel..

5. Jog the machine further through the cycle and make sure that the SUCKER BAR does not touch the CASSETTE SCREEN as the SUCKER BAR enters and leaves the CASSETTE.

Figure 2.


There must be clearance between the sucker bar and the cassette screen here.
Suckers parallel to the films here
1
2
3
There should be a gap of 1 mm between the sucker and the film when the vacuum is released.

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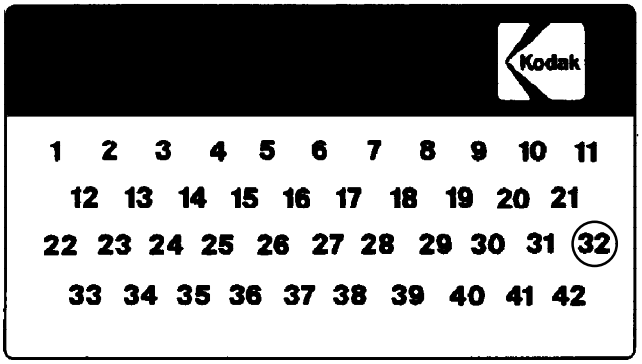
6. Fit the STEP BY STEP SWITCH to the MINILOADER (see the SERVICE MANUAL for instructions if necessary). Run some cycles and check that the FILMS enter the CASSETTE correctly.

The FILM should be “tucked into” the HINGE of the CASSETTE without catching the BASE of the CASSETTE or the SCREEN. The FILM must not be pulled back out of the CASSETTE when the SUCKER BAR returns. There should be a gap of a least one millimetre between the FILM and the SUCKER when the vacuum is released.

If necessary adjust the angle of the CAM FOLLOWER (1), the height and/or angle of the STATIC CAM (2) or the height of the STOP (3). It may also be necessary to adjust one of the PUSH RODS which drive the SUCKER BAR.

7. When the FILM is entering the CASSETTE correctly, check that the SUCKER BAR presses against the STOP (3) with a force of 0.5 to 1 kg. Adjust the PUSHROD if required.

8. Circle M 32 on the MODIFICATION LABEL, replace the SIDE PANEL and the LID of the MINILOADER. Reload the MAGAZINE(S) and if possible process some film to check for ARTIFACTS.



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